

## PART 34—FIREFIGHTING EQUIPMENT

### Subpart 34.01—General

Sec.

- 34.01–1 Applicability—TB/ALL, preemptive effect.
- 34.01–5 Equipment installed but not required—TB/ALL.
- 34.01–10 Protection for unusual arrangements or special products—TB/ALL.
- 34.01–15 Incorporation by reference.

### Subpart 34.05—Firefighting Equipment, Where Required

- 34.05–1 Fire main system—T/ALL.
- 34.05–5 Fire extinguishing systems—T/ALL.
- 34.05–10 Portable and semiportable extinguishers—TB/ALL.
- 34.05–20 Fire axes—T/ALL.

### Subpart 34.10—Fire Main System, Details

- 34.10–1 Application—TB/ALL.
- 34.10–5 Fire pumps—T/ALL.
- 34.10–10 Fire station hydrants, hose and nozzles—T/ALL.
- 34.10–15 Piping—T/ALL.
- 34.10–90 Installations contracted for prior to May 26, 1965—T/ALL.

### Subpart 34.13—Steam Smothering System

- 34.13–1 Application—T/ALL.

### Subpart 34.15—Carbon Dioxide Extinguishing Systems, Details

- 34.15–1 Application—T/ALL.
- 34.15–5 Quantity, pipe sizes, and discharge rates—T/ALL.
- 34.15–10 Controls—T/ALL.
- 34.15–15 Piping—T/ALL.
- 34.15–20 Carbon dioxide storage—T/ALL.
- 34.15–25 Discharge outlets—T/ALL.
- 34.15–30 Alarms—T/ALL.
- 34.15–35 Enclosure openings—T/ALL.
- 34.15–40 Pressure relief—T/ALL.
- 34.15–50 Lockout valves—T/ALL.
- 34.15–60 Odorizing units—T/ALL.
- 34.15–90 Installations contracted for prior to January 1, 1962—T/ALL.

### Subpart 34.17—Fixed Foam Extinguishing Systems, Details

- 34.17–1 Application—T/ALL.
- 34.17–5 Quantity of foam required—T/ALL.
- 34.17–10 Controls—T/ALL.
- 34.17–15 Piping—T/ALL.
- 34.17–20 Discharge outlets—T/ALL.
- 34.17–25 Additional protection required—T/ALL.
- 34.17–90 Installations contracted for prior to January 1, 1962—T/ALL.

### Subpart 34.20—Deck Foam System, Details

- 34.20–1 Application—T/ALL.
- 34.20–3 Cargo area definition—T/ALL.
- 34.20–5 Quantity of foam required—T/ALL.
- 34.20–10 Controls—T/ALL.
- 34.20–15 Piping—T/ALL.
- 34.20–20 Discharge outlets—T/ALL.
- 34.20–25 Foam monitor capacity—T/ALL.
- 34.20–90 Installations contracted for prior to January 1, 1970—T/ALL.

### Subpart 34.25—Water Spray Extinguishing Systems, Details

- 34.25–1 Application—T/ALL.
- 34.25–5 Capacity and arrangement—T/ALL.
- 34.25–10 Controls—T/ALL.
- 34.25–15 Piping—T/ALL.
- 34.25–20 Spray nozzles—T/ALL.
- 34.25–90 Installations contracted for prior to January 1, 1964—T/ALL.

### Subpart 34.30—Automatic Sprinkler Systems, Details

- 34.30–1 Application—TB/ALL.

### Subpart 34.50—Portable and Semiportable Extinguishers

- 34.50–1 Application—TB/ALL.
- 34.50–5 Classification—TB/ALL.
- 34.50–10 Location—TB/ALL.
- 34.50–15 Spare charges—TB/ALL.
- 34.50–20 Semiportable fire extinguishers—TB/ALL.
- 34.50–90 Vessels contracted for prior to January 1, 1962—TB/ALL.

### Subpart 34.60—Fire Axes

- 34.60–1 Application—T/ALL.
- 34.60–5 Number required—T/ALL.
- 34.60–10 Location—T/ALL.

AUTHORITY: 46 U.S.C. 3306, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; Department of Homeland Security Delegation No. 0170.1.

SOURCE: CGFR 65–50, 30 FR 16694, Dec. 30, 1965, unless otherwise noted.

### Subpart 34.01—General

#### § 34.01–1 Applicability—TB/ALL, preemptive effect.

(a) The provisions of this part shall apply to all tank vessels except as otherwise noted in this part.

## Coast Guard, DHS

## § 34.05–5

(b) The regulations in this part have preemptive effect over State or local regulations in the same field.

[CGFR 65–50, 30 FR 16694, Dec. 30, 1965, as amended by CGD 88–032, 56 FR 35821, July 29, 1991; USCG–2006–24797, 77 FR 33873, June 7, 2012]

### § 34.01–5 Equipment installed but not required—TB/ALL.

(a) Where firefighting equipment is not required, but is installed, the equipment and its installation shall be of an approved type.

### § 34.01–10 Protection for unusual arrangements or special products—TB/ALL.

(a) The provisions of this part contemplate fire protection for tank vessels of conventional design carrying the usual liquid petroleum products in internal tanks. Whenever unusual arrangements exist or special cargoes are carried upon which the vessel's normal firefighting equipment will be ineffective, additional suitable firefighting equipment of approved type shall be carried.

### § 34.01–15 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and the material must be available to the public. All approved material is available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030 or go to [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html). Also, it is available for inspection at the Coast Guard Headquarters. Contact Commandant (CG–ENG), Attn: Office of Design and Engineering Systems, U.S. Coast Guard Stop 7509, 2703 Martin Luther King Jr. Avenue SE., Washington, DC 20593–7509, telephone 202–372–1405, and is available from the sources listed in this section.

(b) ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West

Conshohocken, PA 19428–2959, 877–909–2786, <http://www.astm.org>.

(1) ASTM F1121–87 (Reapproved 2010), Standard Specification for International Shore Connections for Marine Fire Applications, (approved March 1, 2010), incorporation by reference approved for § 34.10–15 (“ASTM F 1121”).

(2) [Reserved]

(c) National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02169–7471, telephone 617–770–3000, <http://www.nfpa.org>.

(1) NFPA 13–1996, Standard for the Installation of Sprinkler Systems, IBR approved for § 34.30–1 (“NFPA 13–1996”).

(2) NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems, (2008 Edition), IBR approved for § 34.05–5(a)(4) (“NFPA 2001”).

[USCG–2006–24797, 77 FR 33873, June 7, 2012, as amended by USCG–2012–0866, 78 FR 13249, Feb. 27, 2013; USCG–2013–0671, 78 FR 60147, Sept. 30, 2013]

## Subpart 34.05—Firefighting Equipment, Where Required

### § 34.05–1 Fire main system—T/ALL.

(a) Fire pumps, piping, hydrants, hose and nozzles shall be installed on all tankships.

(b) The arrangements and details of the fire main system shall be as set forth in subpart 34.10.

[CGFR 65–50, 30 FR 16694, Dec. 30, 1965, as amended by CGD 77–057a, 44 FR 66502, Nov. 19, 1979]

### § 34.05–5 Fire extinguishing systems—T/ALL.

(a) Approved fire extinguishing systems must be installed on all tankships in the following locations. Previously approved installations may be retained as long as they are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection.

(1) *Dry cargo compartments.* A carbon dioxide or water spray system must be installed for the protection of all dry cargo compartments. Where such compartments are readily accessible by means of doors such spaces need be protected only by the fire main system.

(2) *Cargo tanks.* A deck foam system must be installed for the protection of all cargo tank spaces. Where a deck foam system is installed, an approved